

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 13203 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Feb 3 2012

See axaff13203N003\_VV001\_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	16.046587052524

## Comments

The data for this observation have been processed using the 'EDSER' sub-pixel event-repositioning algorithm of Li et al. (2004, ApJ, 610, 1204). Small-scale features should become sharper for sources near the aim point. The improvement will be less noticeable for off-axis sources where the size of the point-spread function is comparable to or larger than the size of an ACIS pixel. To take full advantage of the improvement, images should be binned on spatial scales smaller than the size of an ACIS pixel. Note that, at present, the point-spread function has not been calibrated for data to which the EDSER algorithm has been applied. If dither was disabled for the observation, then the algorithm can introduce artificial aliasing effects on spatial scales smaller than a pixel. If you would prefer to use no sub-pixel adjustment or to apply a coordinate randomization, then use `acis_process_events` to reprocess the data with the parameter `pix_adj=NONE` or `RANDOMIZE`, respectively.

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The guide star in slot 6 was removed from the aspect solution due to poor data quality. The aspect solution is not expected to be degraded by removing one fid light or guide star from the solution.

seq_num	702511	Sequence number
obs_id	13203	Observation id
title	The bolometric luminosity of the z=7.08 QSO ULAS J1120+0641	Propos
observer	Dr Chris Simpson	Principal investigator
object	ULAS J1120+0641	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	170.00625	Observer's specified target RA [deg]
dec_targ	6.690111	Observer's specified target Dec [deg]
ra_nom	170.00522272622	Nominal RA [deg]
dec_nom	6.6948645331327	Nominal Dec [deg]
roll_nom	70.336725542448	Nominal Roll [deg]
revision	3	Processing version of data
ontime	16046.587054312	Sum of GTIs [s]
livetime	15843.395506936	Livetime [s]
ontime2	16046.628094316	Sum of GTIs [s]
ontime3	16046.463934302	Sum of GTIs [s]
ontime5	16046.546014309	Sum of GTIs [s]
ontime6	16046.504974306	Sum of GTIs [s]
ontime7	16046.587054312	Sum of GTIs [s]
ontime8	16046.422894299	Sum of GTIs [s]
l2events	183310	Number of level 2 events

